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(1) Number of pages_____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. / B.P. No. 419. 420.	1885	Press / Mis.
Dated	25. 7.	1873.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 25th July 1873.

Read the following papers —

No 419. Memorandum from the Deputy Secretary to the Government of India, Public Works Department, (Irrigation,) to Lieutenant-Colonel J. MULLINS, R E, Joint Secretary to the Government of Madras, Public Works Department, (Irrigation Branch,) dated Simla, 12th June 1873, No. 342 I.

THE undersigned is directed to invite attention to paragraphs 19 and 20 of Resolution of the Government of India, Nos 382 to 391 I, of the 16th October 1869, directing the submission, with the annual Revenue Reports of Irrigation Works, of diagrams showing the rise and fall of rivers and the volume of water supplied by them throughout each year, and to request compliance therewith in future.

2. Any such observations already on record should be communicated to this office.

(Signed) J. W RUNDALL, Colonel, R E,
Deputy Secretary to the Govt of India.

No. 394P.

No. 420. *Note by the Chief Engineer for Irrigation.*

THE following river diagrams were forwarded to the Inspector-General of Irrigation on the dates named —

No. 187, 31st August 1870, Godavery		1850 to 1857. 1860 to 1866. 1867 to 1869.
No. 197, 19th September 1870,	Kistna	1860 to 1869.
	Pennair	1860 to 1869.

2. Similar diagrams on the section paper furnished by the Government of India can now be prepared for the years 1870 to 1872.

G O, 15th July 1870, No 1,705

3. Hitherto diagrams have been sent to Calcutta only for the Godavery, the Kistna, and the Pennair, the requisition of the Inspector-General of Irrigation having been confined to these rivers, but similar information may with advantage be given for the Tanjore irrigation under the Upper Coleroon Anicut, and for that in Tinnevelly under the Streeviguntum Anicut on the Tambrapoorny

4. With regard to the record of the volume of water available and taken off from these rivers respectively, the former might be readily calculated up to, say, one foot above the level required to throw a full supply into the main canals, or, in the case of Tanjore, into the Cauvery at the Upper Coleroon Anicut, and be tabulated. Then the volume available, when less than the full supply, on the average for any month might be shown at the top of the diagram thus —

Average supply in river cubic feet per second	5,000	4,730	4,500	*	†	†
	January	February	March	*	July.	August.

N B —Full supply of canals 7,500 cubic feet a second.

N B —When the sign † is shown over the months, the river supply is in excess of that required to fill the canals

on the other hand the supply in the canals can be shown at foot of the diagram thus, the averages being taken from tables prepared for the purpose —

—	January	February	March	April	—
Eastern Main Canal	1,500	1,200	1,200	1,200	Shown here as for the Godavery by way of example
Central ,, ,, .	900	800	800	Shut	
Western ,, ,, .	2,500	2,300	2,300	2,500	

For the Kistna there would be two main canals, for Tanjore one, viz , the Cauvery, for the Pennair one main canal, and for the Tambrapoorny at Streeviguntum two main canals

5 Paragraphs 19 and 20 of the Resolution of the Government of India, Nos 382/911, dated 16th October 1869, will be found in G. O , 30th November 1869, No 3,790, which was communicated to all Superintending Engineers.

6. The diagrams with the additional information now called for should be submitted from the year 1870, those for each year being sent to this office as completed.

OOTACAMUND, 28*th June* 1873. (Signed) J. MULLINS, Lieut-Colonel, R E., *Chief Engineer for Irrigation.*

No. 421. ORDER THEREON, 25th July 1873, No. 1,885

IRRIGATION, No. 21.

ORDERED that these papers be communicated to the District Engineers concerned for information and guidance.

(True Extract)

Lieut-Colonel, R.E.,
Joint Secretary to Government

To the District Engineers of C[illegible], Nellore, Tanjore, and Tinnevelly.
" Chief Engineer for Irrigation

Exd. S. T Austin.
Spare Copies

№ 394.2

Note by the Chief Engineer for Irrigation

The following river diagrams were forwarded to the Inspector General of Irrigation on the dates named-

№ 187		1850 to 1857
31st August 1870	Godavery	1860 to 1866
		1867 to 1869
№ 197	Kistna	1860 to 1869
19th Sept 1870	Pennair	1860 to 1869

2 Similar diagrams on the section paper furnished by the Government of India can now be prepared for the years 1870 to 1872

G.O 15 July 1870 № 1705

3 Hitherto diagrams have been sent to Calcutta only for the Godavery, the Kistna & the Pennair, the requisition of the Inspector General of Irrigation having been confined to these rivers; but similar information may with advantage be given for the Tanjore irrigation under the Upper Coleroon anicut, & for that in Tinnevelly under the Streeviguntum anicut on the Tambrapoorny

poorny.

4. With regard to the record of the volume of water available and taken off from these rivers respectively, the former might be readily calculated up to say 1 foot above the level required to throw a full supply into the main Canals, or, in the case of Tanjore, into the Canvery at the Upper Coleroon anicut, and be tabulated. Then the volume available, when less than the full supply, on the average for any month might be shown at the top of the diagram thus

Average supply in river Cubic feet per second 5,000

January 4730 February 4500 March × × × July + August +

NB Full supply of Canals 7,500 C.F.a second

NB When the sign + is shown over the months, the river supply is in excess of that required to fill the Canals

on the other hand the supply in the Canals can be shown at the foot of the diagram

Thus the averages being taken from tables prepared for the purpose.

	January.	February	March	April.	
Eastern main Canal	1,500	1200	1200	1200	shown here as for the Godavery by way of example.
Central " "	900	000	000	shut	
Western " "	2,500	2,300	2,300	2500	

For the Kistna there would be 2 main Canals, for Tanjore one, viz the Canvery, for the Pennair one main Canal, & for the Tambraporny at Shevigunteum two main Canals.

5. Paras 19 & 20 of the resolution of the Govt of India № 382/91 I, dated 16th October 1869, will be found in G.O. 30th November 1869, № 3790, which was communicated to all Superintending Engineers.

6. The diagrams with the additional information now called for should be submitted from the year 1870, those for each year being sent to this office as completed.

Ootacamund
28th June. 1873

Lt Col RE.
Chief Engineer for Irrigation.
To The Secretary to Govt P.W.D.

P. W. 1873 Department
Proceedings for July
No. 3997.

From.

The Chief Engineer
for Irrigation.

Dated 28th June
Recd 16th July } 1873.

Encl 1.

Note regarding the submission with annual Revenue Returns of Irrigation of diagrams of the rise and fall of rivers.

No 420
R. 11 July 73

No. 1885 W.D.

Proceedings of the Madras Govt
Revenue Department Reading:-

From the Chief Engr for Irrigation, { R.C. No 394 Dated 28 June 73 }

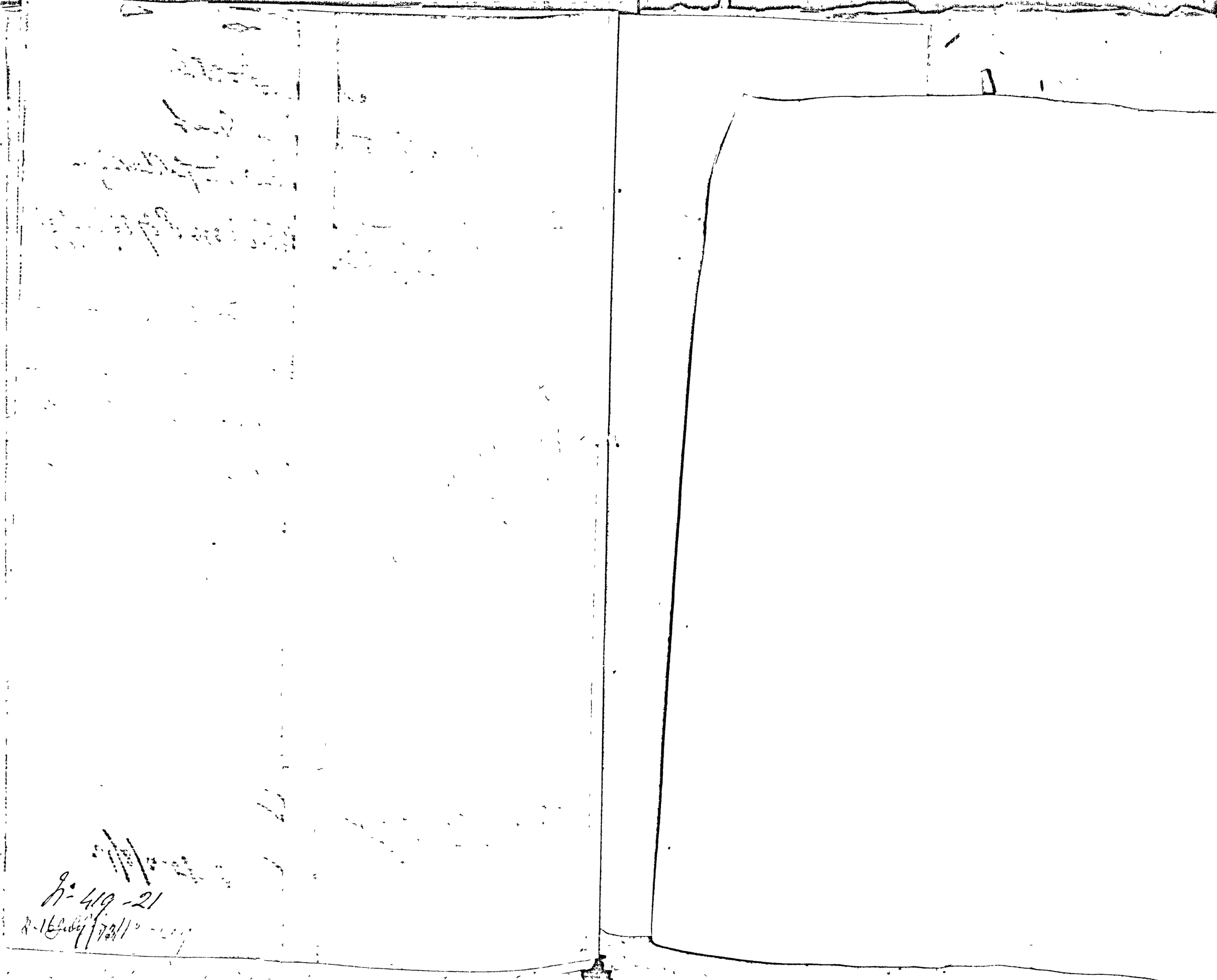
Ordered that these papers be communicated to the District Engineers concerned, for information & guidance

Mg. 7/7/73

Govt

To The Dist Engrs Godavery, Kistna, Nellore, Tanjore & Tinnevelly.
Chief Engr for Irrigation.

Dated 2/8/73



R-419-21

No. 3997

Cobt. ci. [1873] 3 Madras.

PUBLIC WORKS.

to E.B. District Supt.
Godaddery

Date

Encl /

No. 1

G 0.25 July 1873, No. 1885.

No. 4960 44

Diagrams. Subscribing to
the Engr for Engine in letter
from the Govt of India
regarding the Subscription,
with annual Revenue
Reports of Irrigations,
& diagrams of the rise
& fall of rivers, Circ.
& certain Ry Engrs.